

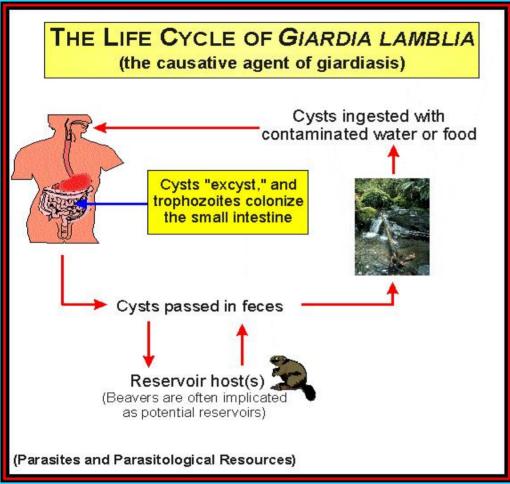
DRINKING WATER



Kevin Brown, Director



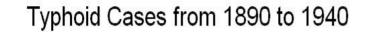
OUR MISSION

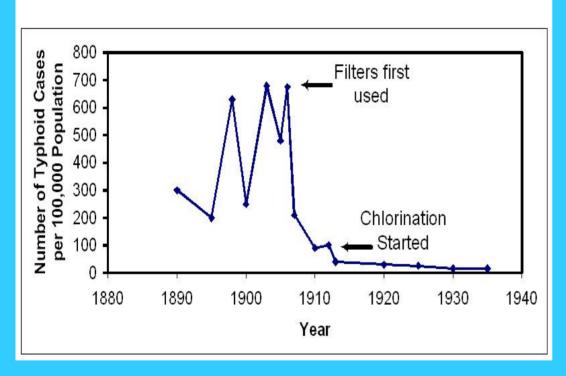


To protect the public from waterborne risks through education, assistance, and oversight.



STATUTORY AUTHORITIES



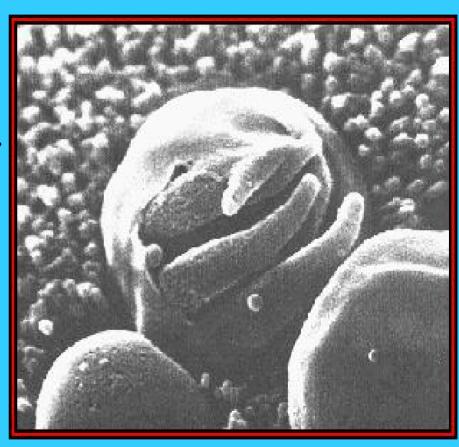


- Federal Safe
 Drinking Water
 Act
- State Safe
 Drinking Water
 Act



OUR RESPONSIBILITIES

- ➤ Oversee 950
 water systems
 serving at least
 15 connections
 or 25 people
- >Oversee 1,850 water sources





STATE RULES COVER:

- Infrastructure improvement loan program
- Construction standards, source development, distribution, storage, treatement
- Flow rates (average, peak)





STATE RULES COVER:

Monitoring requirements - 90+ contaminants

Maximum contaminant level exceedance

Source water protection

Operator certification

Backflow contamination/cross connections



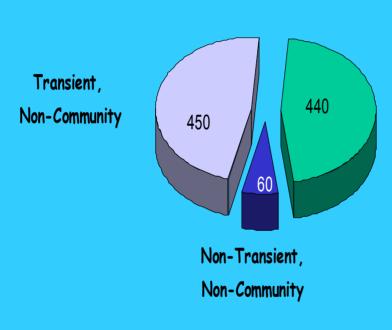
Water Systems must monitor for these contaminant groups:

- Microbiological
 (Total Coliform, Giardia,
 Cryptosporidium)
- * Radiological
- * Organic chemicals
- * Inorganic elements
- * Physical characteristics





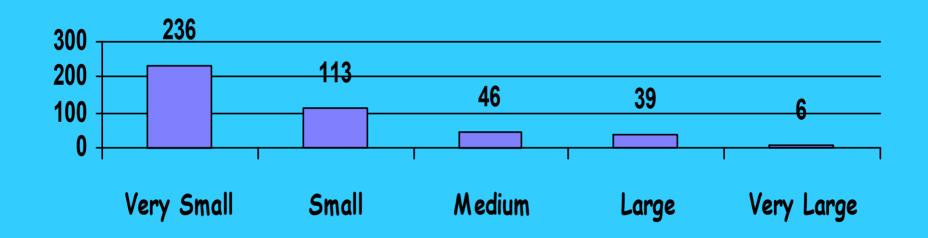
Public Systems by Type Category



Community



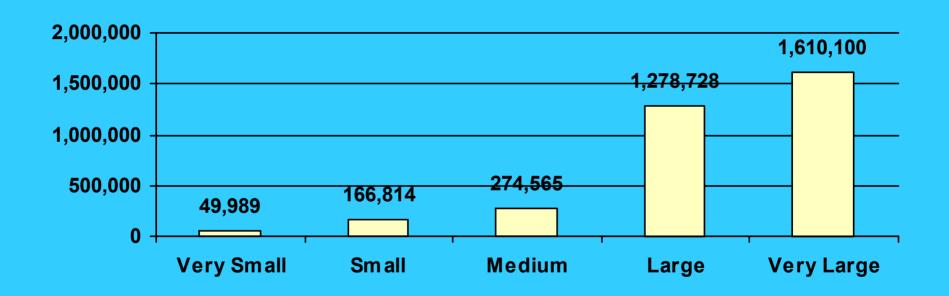
NUMBER OF COMMUNITY SYSTEMS:





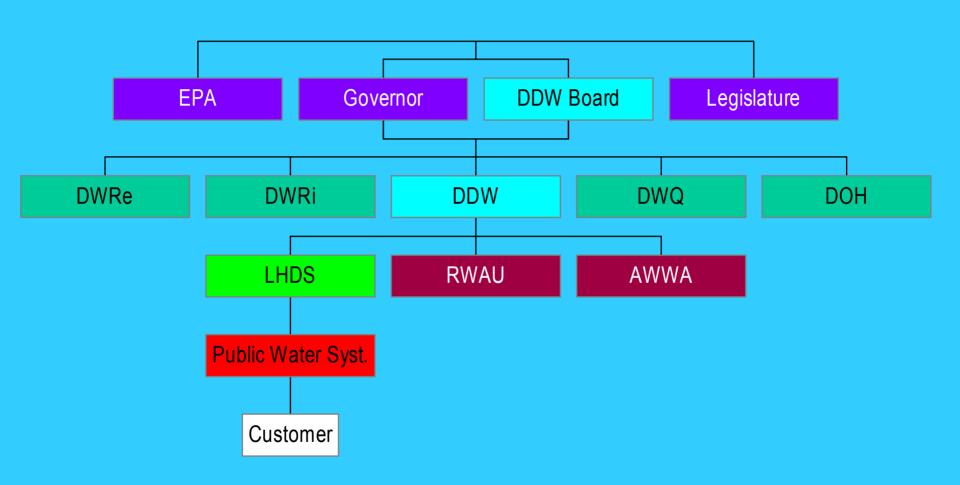
POPULATION POTENTIALLY SERVED:

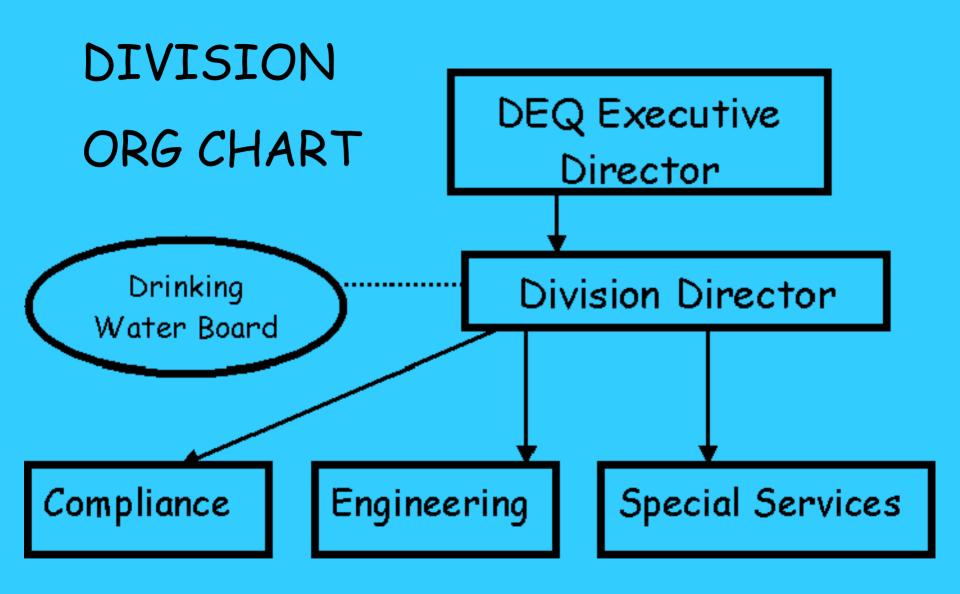
By Community System





STATE WATER ORGANIZATION





DIRECTOR'S OFFICE

Three Staff Members

Primary customer service contact

Long-term planning

Director serves as Drinking Water Board Executive Secretary

Plan approvals (construction, source protection)



COMPLIANCE SECTION

Fourteen Staff Members

Drinking water compliance - 25+ EPA rules
Operation certification

Emergency response/Homeland Security

Sanitary surveys

Cross-connection control/backflow prevention (Illegal/improper connections to water systems)



ENGINEERING SECTION

Fourteen Staff Members

Financial assistance (\$10,000,000/year)
Plan and specification review
Construction, treatment plant inspections
Technical assistance



SPECIAL SERVICES SECTION

Six Staff Members

- -Source water protection
- -Treatment plant technical assistance





DEQ 101-

NUMBERS



- √ ~ 90 contaminants monitored
- √ 74 water

 treatment plants

 (surface water)
- ✓ 1,030 well sources
- √739 spring sources
- ✓ 21 tunnel sources



More Numbers...

- 95.4% Public Water Systems with approved rating
- 99.9% Citizens drink water from an approved source
- 90% Community systems with source protection plans



And More Numbers...

- 100,000+ Pieces of information (mainly laboratory analyses) handled per year.
- 400 Plans reviewed per year.
- 250 Sanitary surveys conducted per year (with local health departments and forest service assistance)
- 1,950 Certified water system operators



CURRENT ISSUES

Not-approved water systems

Safe Drinking Water Act implementation (new federal rules)

Database conversion/data management

Public awareness of cross connections (shoddy plumbing-dishwashers, water softners, lawn irrigation systems, secondary irrigation systems)

Water conservation

Electronic document management system



For more information:

www.drinkingwater.utah.gov



